

# Material Safety Data Sheet

## 1. Chemical Product and Company Identification

### Thermoshield

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Distributed In Australia By

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Not classified as Hazardous according to criteria of Safe Work Australia  
and not Dangerous Goods according to the ADG Code<sup>1</sup>

| UN #           | HAZCHEM        | D.G. Class     | Sub Risk       | Pack Group     | SUSDP          |
|----------------|----------------|----------------|----------------|----------------|----------------|
| None allocated | None allocated | None allocated | None allocated | None allocated | None allocated |

Proper Shipping Name None allocated  
Product Use Surface coating

## 2. Composition / Information On Ingredients

| Component                                       | CAS No        | Weight % |
|---|---------------|----------|
| Acrylic polymer emulsion                        | Not Required* | 30-60    |
| Titanium dioxide                                | 13463-67-7    | 10-30    |
| Inorganic extender                              | Not Required* | 10-30    |
| Additives                                       | Not Required* | <10      |
| Solvent - Non Hazardous (Flash Point >61 deg C) | Not Required* | <10      |
| Water   | 7732-18-5     | 10-30    |

\* Ingredients either not classified as hazardous or below relevant concentration cut-offs.  
See Section 8, Exposure Controls / Personal Protection

## 3. Hazards Identification

Not classified as hazardous.

# Material Safety Data Sheet continued

## 4. First Aid Measures

### Eyes

Immediately flush with water for 15 minutes. Consult a physician if irritation develops or persists.

### Skin

Take off all contaminated clothing. Wash contaminated area with soap and water. Consult a physician if irritation develops or persists.

### Inhalation

Inhalation is not expected to be a primary route of exposure. However, if mist/spray is inhaled, remove patient to fresh air. Get medical attention. Administer artificial respiration if breathing is irregular or has stopped.

### Ingestion

If swallowed, get medical attention. Never give anything by mouth to an unconscious person.

## 5. Fire Fighting Measures

### Flash Point

Not applicable

### Auto-ignition Temperature

Not applicable

### Fire and Explosion Hazards

The product is not flammable.

### Suitable Extinguishing Media

Use as appropriate for surrounding fire.

### Special Fire Fighting Procedures

Respiratory and eye protection required for fire fighting personnel exposed to fumes or smoke.

### Hazardous Combustion Products

Thermal decomposition may give off toxic fumes.

## 6. Accidental Release Measures

### Personal Precautions

See Section 8.

### Caution

Floor may be slippery. Avoid contact with skin and eyes. Wear suitable protective clothing, gloves and eye protection.

Take up mechanically with inert absorbent material and place in suitable containers for disposal. Dispose of in accordance with federal, state and local regulations.

Do not allow large quantities into drains or waterways.

## 7. Handling and Storage

Store the product in cool, dry place. Do not allow to freeze.

Keep containers closed when not in use.

Avoid contact with skin and eyes.

# Material Safety Data Sheet continued

## 8. Exposure Controls / Personal Protection

### Exposure Limit Information

| Component               | Safe Work Australia   |                      |                           |                      |
|-------------------------|-----------------------|----------------------|---------------------------|----------------------|
|                         | Time Weighted Average |                      | Short term Exposure Limit |                      |
|                         | (ppm)                 | (mg/m <sup>3</sup> ) | (ppm)                     | (mg/m <sup>3</sup> ) |
| Acrylic polymer         | -                     | a                    | -                         | -                    |
| Titanium dioxide        | -                     | 10b                  | -                         | -                    |
| Inorganic extender      | -                     | 10b                  | -                         | -                    |
| Additives               | -                     | a                    | -                         | -                    |
| Solvent - Non Hazardous | -                     | a                    | -                         | -                    |
| Water                   | -                     | a                    | -                         | -                    |

a = not listed                      b = as nuisance dust

### Respiratory Protection

In case of vapour or mists, a respiratory protection program meeting Australian & New Zealand Standards AS/NZS-1716 and AS/NZS-1715 requirements must be followed whenever workplace conditions warrant a respirator's use. Use appropriate filters.

None required if airborne concentrations are maintained below the exposure limit listed in "Exposure Limit Information"

### Eye Protection

Use chemical splash goggles (Australian & New Zealand Standard AS/NZS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory protection system employed.

### Hand Protection

Impervious gloves; protective clothing as necessary to prevent skin contact.

### Engineering Controls (Ventilation)

Use local exhaust ventilation sufficient to maintain exposure levels below exposure limit concentrations. Refer to Australian Standard AS-1668.

## 9. Physical and Chemical Properties

|                                    |                  |
|------------------------------------|------------------|
| Appearance and colour .....        | White (untinted) |
| State.....                         | Viscous liquid   |
| Odour Characteristic .....         | Mild ammonia     |
| pH .....                           | 9 - 9.5          |
| Specific Gravity (Water = 1) ..... | 1.1 - 1.2        |
| Volatiles.....                     | ~50% (water)     |
| Melting Point.....                 | ~0°C (water)     |
| Boiling Point.....                 | ~100°C (water)   |
| Solubility in Water .....          | Dispersible      |
| Flash Point.....                   | Not applicable   |

# Material Safety Data Sheet continued

## 10 Stability and Reactivity

### Stability

Considered stable under normal conditions of use and handling

### Hazardous decomposition products

Thermal decomposition may produce acrylic monomers, carbon monoxide, carbon dioxide and oxides of nitrogen.

## 11 Toxicological Information

### Toxicity Data

**Acute:** No data available for the product.

## 12 Ecological Information

No data available for the product.

## 13 Disposal Considerations

Collect and dispose of waste at an authorised disposal facility.

Dispose of empty containers in accordance with federal, state and local laws.

## 14 Transport Information

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (Seventh Edition). See Section 1.

## 15 Regulatory Information

None required.

## 16 Other Information

<sup>1</sup> Australian Code for the Transport of Dangerous Goods by road and Rail (Seventh Edition).

We cannot anticipate all conditions under which this information and our products may be used. Users are advised to make their own tests to determine the safety and suitability of each product. All information in this Data Sheet is based on data considered accurate and up-to-date as possible. However, no express or implied warranty is made to the accuracy of these data or the results to be obtained from the use of them.

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